# Imaging plant cell chromatin

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Genome regulation takes place at different hierarchically interconnected levels: the DNA sequence level, the chromatin level and the three -dimensional organisation of the nucleus.
Organisation of the genome within nuclei and the principles that control such properties remain largely unknown.
Development of fluorescence probes combined with new advances in the instrumentation for microscopy offer new possibilities to study nuclear architecture and chromatin organization and dynamics within the nucleus.
Here, we will present different imaging approaches to study plant chromatin organisation and dynamics in plants.